

# AGS-923

## 2U Rackmount Intel® Xeon® E5-2600 v3/v4 GPU Server, Supporting 4 x PCIe x16 Double-Depth Cards and 1 x PCIe x8 Single-Depth FH/HL Card



### Features

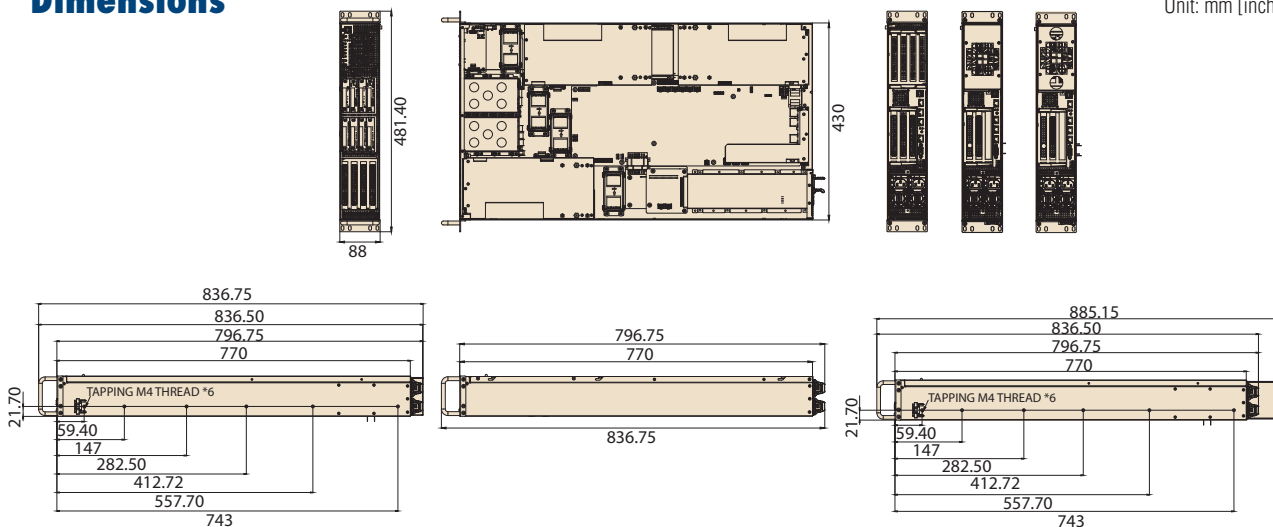
- Processor: Dual Intel® Xeon® E5-2600 v4/v3 series
- Memory: DDR4 1600/1866/2133 MHz ECC-REG type up to 256GB
- Remote Management: IPMI function support
- Expansion: Supporting 4 \* PCIe x16 double-depth card + 1\* PCIe x8 single-depth FH/HL card
- PSU: max 1800W 1+1 redundant power supply with 80 PLUS Platinum level certification

### Specifications

Processor System	Chipset	Intel C612 Chipset	
	CPU	Dual Intel LGA2011 Xeon E5-2600 v3/v4 processor (up to 145W TDP)	
	L2 Cache	Up to 30 MB	
	Memory	8 x DDR4 1600/1866/2133 ECC-REG DIMM, up to 256GB	
Graphics	Controller	Aspeed AST2400	
	VRAM	64 MB	
Expansion Slot	Slot location 1 (Upper Middle slot)	PCIe x 8 slot (Gen3 x8 link) for single-depth 4.376"(H)/6.4"(L) expansion cards	
	Slot location 2 (Lower Right slot)	PCIe x16 slot (Gen3 x16 link), for double-depth 4.376"(H)/10.5"(L) expansion cards	
	Slot location 3 (Upper Left slot/bottom)	PCIe x16 slot (Gen3 x16 link), for double-depth 4.376"(H)/10.5"(L) expansion cards, support 12"(L) when remove 8020 FAN	
	Slot location 4	-	
	Slot location 5 (Upper Left slot/top)	PCIe x16 slot (Gen3 x16 link), for double-depth 4.376"(H)/10.5"(L) expansion cards, support 12"(L) when remove 8020 FAN	
	Slot location 6 (Lower Left slot)	PCIe x16 slot (Gen3 x16 link), for double-depth 4.376"(H)/10.5"(L) expansion cards	
Drive Bay	2.5" (Hot-swap)	8 (4 from SATA III and 4 from slave SATA III on-board)	
	3.5" (Front Accessible)	-	
	3.5" Internal	-	
Ethernet	Interface	4 x 10/100/1000 Mbps Gigabit Ethernet	
	Controller	4 x Intel I210AT	
Front I/O Interface	USB	2 x USB2.0	
	USB	2 x USB3.0	
Rear I/O Interface	PS/2	-	
	COM	-	
	Display	1 x VGA	
	RJ-45	4 (1 is sharing NIC for IPMI)	
Internal connector	Type-A USB	1	
	COM	2	
	LPC	1	
Watchdog Timer	Output	System reset	
	Interval	Programmable, 1~255 sec	
Power Supply	Power Output Wattage	80 PLUS Platinum 1800W 1+1 redundant Power Supply 1000W @ 100 ~ 127V 1800W @ 200 ~ 240V	
		80 PLUS Platinum 1400W 1+1 redundant Power Supply 900W @ 100 ~ 120V 1400W @ 200 ~ 240V	
Cooling	Input Range	AC 100 ~ 240 V	
	Chassis Fan	[1800W] 3 * 80 x 38 + 2 * 80 x 38 high speed fan [1400W] 4 * 80 x 38 + 1 * 80x20 + 1 * 80 x 38 (optional) high speed fan	
Miscellaneous	Air Filter	-	
	LED Indicators	Power status, HDD activity, LAN status, location, error message	
Environment	Remote Management	Advantech Remote Monitoring Utility	
	Temperature	Operating	Non-Operating
		0 ~ 30 °C (32 ~ 86 °F, for 1800W) 0 ~ 40 °C (32 ~ 194 °F, for 1400W)	-20 ~ 60 °C (-4 ~ 140 °F)
	Humidity	10 ~ 85% @ 40 °C	10 ~ 95% @ 40 °C
	Vibration (5 ~ 500 Hz)	0.5 Grms	2 G
Shock	10G (with 11ms duration, half sine wave)		
Physical Characteristics	Dimension (W x H x D)	[1800W] 430 x 88 x 798 mm (16.9" x 3.4" x 31.4")	
		[1400W] 430 x 88 x 770 mm (16.9" x 3.4" x 30.3")	

## Dimensions

Unit: mm [inch]



## Front View



Supports 1 x PCIe x 16 double deck/  
1 x single deck FH card

## Rear View

1400W



Supports 1 x PCIe x8 FH/HL card

Supports 2 x PCIe X16 double deck/  
2 x single deck FH card

1800W



Supports 1 x PCIe x8 FH/HL card

Supports 2 x PCIe X16 double deck/  
2 x single deck FH card

## Inside View

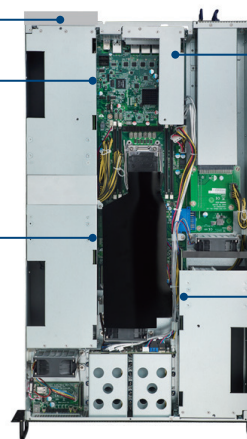
Default system fan 1800W  
and optional part for 1400W

Upper Left slot

Lower Left slot

Upper Middle slot

Lower Right slot



## Ordering Information

Part Number	HDD tray	VGA Chip	RJ45	IPMI	Power Supply
AGS-923I-R18A1E	8	AST 2400	4	YES	1+1 1800W RPS
AGS-923I-R14A1E	8	AST 2400	4	YES	1+1 1400W RPS

## Optional Accessories (for 1400W)

Part Number	Description
98R1920I10E	Optional parts for Upper Left GPU card air duct with FAN
98R1920I20E	Optional parts for Upper Left GPU card air duct with FAN and display output

## System Contents

Items	Advantech P/N	Quantity
Startup manual	2001S91310	1
Driver CD	2061S92300	1
Rail kit (pair)	9680015703	1
CPU cooler	1960063011N001	2
Power module (Installed in the system)	96PSRM-A1K8WCR	2
Power cable for GPU/VGA card (Installed in the system)	1700023022-01	8